

Claims

1. A saw blade for power tools, in particular for
5 power reciprocating saws, having a blade back (11) and a
toothing (12), extending along the lower edge of the blade
back, comprising many saw teeth (13) lined up in succession,
characterized in that in successive portions (a, b) of the
10 tothing (12), each with an integral number of saw teeth
(13), the saw teeth (13) are embodied with the same tooth
width (a_z , b_z), which however is different from the saw teeth
(13) in the preceding or succeeding portion (b, a) of the
tothing (12).

2. The saw blade of claim 1, characterized in that the
15 tooth width (a_z) of the saw teeth (13) in one set of portions
(a) of the tothing (12) is equivalent to the thickness of
the blade back (11), and the tooth width (b_z) differing from
it of the saw teeth (13) in the other portions (b) of the
20 tothing (12) is brought about by material removal or
material compacting.

3. The saw blade of claim 2, characterized in that in
successive portions (b) of the tothing (12) with saw teeth
25 (13) having the reduced tooth width (b_z), the material
removal or material compacting is performed in alternation
from one side and the other of the blade back (11).

4. The saw blade of claim 3, characterized in that the
30 saw teeth (13) with the reduced tooth width (b_z) are
transposed, and the transposition is done toward the side of
the blade back (11) remote from the material removal or
material compacting.

5. The saw blade of one of claims 2-4, characterized in that parallel recesses (14, 15; 14', 15'; 14'', 15'') spaced apart from one another are made in the blade back (11) on both sides of the blade back (11) and extend past the saw teeth (13) as far as the underside, remote from the blade back (11), of the tothing (12), and that the recesses (14) on one side of the blade back (11) and the recesses (15) on the other side of the blade back (11) are disposed offset from one another longitudinally of the saw blade.

6. The saw blade of claim 5, characterized in that the recesses (14, 15) are extended as far as the upper edge (111), remote from the tothing (12), of the blade back (11).

7. The saw blade of claim 5, characterized in that the recesses (14', 15'; 14'', 15'') end at a distance in front of the upper edge (111), remote from the tothing (12), of the blade back (11).

8. The saw blade of one of claims 5-7, characterized in that the recesses (14, 15; 14', 15') are inclined relative to the tothing (12) at an acute angle (α) in the advancement direction of the saw blade (11), and preferably the acute angle (α) is equivalent to the rake angle of the saw teeth (13).

9. The saw blade of one of claims 2-8, characterized in that successive portions (a, b) of the tothing (12) have in alternation one tooth of large tooth width (a_z) and two teeth (13) of reduced tooth width (b_z).

10. The saw blade of one of claims 5-9, characterized in that the recesses (14, 15; 14', 15'; 14'', 15'') are cut into the blade back (11) and the tothing (12) before the

transposition of the saw teeth (13).

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